

2G & 3G Switch Off Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (2G and 3G) and Application (Message, Voice, Data, and IoT)

<https://marketpublishers.com/r/2AEEE7383DF3EN.html>

Date: December 2023

Pages: 151

Price: US\$ 5,190.00 (Single User License)

ID: 2AEEE7383DF3EN

Abstracts

The 2G & 3G switch off market size is expected to reach US\$ 28.75 billion in 2020 and is expected to decline to US\$ 3.65 billion by 2030; it is estimated to record a CAGR of -18.6% from 2020 to 2030.

In order to meet the demands for how consumers use wireless, the 3G network will be phased out in the US and the telecom industry is investing and reallocating resources to 4G and 5G networks. To do so, support for legacy networks is being discontinued and the 2G and 3G networks are being turned off. The Federal Communications Commission (FCC) has informed consumers that if their mobile phones are over a few years old, they may need to replace their device before their mobile operator shuts down its 3G network to prevent losing service. Mobile companies in the country are shutting down their 3G networks. Telecom companies are doing the same thing to make place for more advanced network services, such as 5G. For instance, UScellular operates a wireless network across ~21 states, counting nearly 5 million mobile customers. In November 2023, UScellular announced it would turn off its 3G CDMA network on January 14, 2024. Separately, Cellcom announced plans to shut down its 2G network by December 2023 after shutting down its 3G network in March. Thus, government regulations and the operators' decision to shut down 2G and 3G will promote 2G & 3G switch off market.

Based on type, the 2G & 3G switch off market is bifurcated into 2G and 3G. The second generation of cellular networks, or 2G, is built on the Global System for Mobile

Communication (GSM). 2G offered cellular services, including SMS, multimedia messaging, and digitally encrypted voice chats, to meet the increasing number of mobile phones. Additionally, it optimized the usage of the radio frequency (RF) spectrum, allowing multiple devices to share the same frequency bands. However, the technology is three decades old. Although 2G networks have been improved over time by telecom companies with features such as General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE), 2G connectivity cannot keep up with the currently available options. Numerous Mobile Network Operators (MNOs) have initiated the process of discontinuing their 2G networks. In addition, 2G service is now unavailable in several nations. Such instances propel the 2G & 3G switch off market growth.

Based on application, the 2G & 3G switch off market is segmented into message, voice, data and IoT. SMS stands for Short Message Service, also referred to as text messaging. The service allows users to send short texts of ~160 to 224 characters using the 5-bit mode to other mobile devices using the mobile data and cellular network. For the first time, the 2G network enabled text-based data to be transmitted via SMS. This network also offers multimedia messaging (MMS) and picture messages. With 2G, SMS has become one of the means of communication. A normal text message sent to the receiver is stored in separate channels. This process was further continued in the 3G era, too. In the 4G era, things become difficult for SMS. The old switching and transceiver stations used for storing and sending SMS texts are not functional now. A new messaging gateway called IP-SM-GW was introduced. This network communicates with the SMSC to retrieve and send messages instantly. Thus, above reasons propelling 2G & 3G switch off market growth.

2G network was first deployed during the 1990s and was used for voice calls, text messaging, and very low-speed data communications. During the 2000s, a 3G network was deployed, and voice services enabled access to the internet through a mobile phone. However, calls and data are separated in 2G or 3G networks and cannot work simultaneously. During a phone call on a 2G network, the caller could not receive any incoming text messages. The text messages would only arrive after the caller terminates the phone call. Meanwhile, calls and data work in unison on a 4G or 5G network, hindering the growth of 2G and 3G networks, and propelling the growth of the 2G & 3G switch off market.

The 2G & 3G switch off market is segmented based on type, and application. Based on type, the 2G & 3G switch off market is bifurcated into 2G and 3G. Based on application, the 2G & 3G switch off market is categorized into message, voice, data and IoT. By

region, the 2G & 3G switch off market is segmented into North America, Europe, Asia Pacific, the Middle East & Africa, and South & Central America.

AT&T Inc, BCE Inc , China Mobile Ltd, Deutsche Telekom AG, KDDI Corp, NTT Data Corp, Orange SA, Telefonica SA, Telenor ASA, and Vodafone Group Plc are among the key 2G & 3G switch off market players that are profiled in this market study.

The overall 2G & 3G switch off market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the 2G & 3G switch off market. The process also helps obtain an overview and forecast of the market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the 2G & 3G switch off market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. 2G & 3G SWITCH OFF MARKET LANDSCAPE

- 4.1 Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
- 4.4 Premium Insights
 - 4.4.1 Future of Smart Home
 - 4.4.2 Impact of 2G/3G Sunset on Smart Home

5. 2G & 3G SWITCH OFF MARKET - KEY MARKET DYNAMICS

- 5.1 2G & 3G Switch Off Market - Key Market Dynamics
- 5.2 Market Drivers
 - 5.2.1 Emergence of 5G Technology
 - 5.2.2 Increasing Adoption of Industry 4.0 and Edge Computing
 - 5.2.3 Growing Demand for Smart Cities
- 5.3 Market Restraints
 - 5.3.1 Prevalent Use of 2G and 3G in Some Application Areas
 - 5.3.2 Higher Installation Costs for 4G and 5G
- 5.4 Market Opportunities
 - 5.4.1 Rising Digital Transformation Across SME's
 - 5.4.2 Increasing 5G Subscriptions in Developing Countries

5.5 Future Trends

5.5.1 Government Regulations to Shut Down 2G and 3G

5.5.2 Private 5G Networks

5.6 Impact of Drivers and Restraints:

6. 2G & 3G SWITCH OFF MARKET - GLOBAL MARKET ANALYSIS

6.1 2G & 3G Switch Off Market Revenue (US\$ Million), 2022 – 2030

6.2 2G & 3G Switch Off Market Forecast and Analysis

7. 2G & 3G SWITCH OFF MARKET ANALYSIS - TYPE

7.1 2G

7.1.1 Overview

7.1.2 2G Market, Revenue and Forecast to 2030 (US\$ Million)

7.2 3G

7.2.1 Overview

7.2.2 3G Market, Revenue and Forecast to 2030 (US\$ Million)

8. 2G & 3G SWITCH OFF MARKET ANALYSIS - APPLICATION

8.1 Message

8.1.1 Overview

8.1.2 Message Market, Revenue and Forecast to 2030 (US\$ Million)

8.2 Voice

8.2.1 Overview

8.2.2 Voice Market, Revenue and Forecast to 2030 (US\$ Million)

8.3 Data

8.3.1 Overview

8.3.2 Data Market, Revenue and Forecast to 2030 (US\$ Million)

8.4 IoT

8.4.1 Overview

8.4.2 IoT Market, Revenue and Forecast to 2030 (US\$ Million)

9. 2G & 3G SWITCH OFF MARKET - GEOGRAPHICAL ANALYSIS

9.1 Overview

9.2 North America

9.2.1 North America 2G & 3G Switch Off Market Overview

9.2.2 North America 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.2.3 North America 2G & 3G Switch Off Market Breakdown by Type

9.2.3.1 North America 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Type

9.2.4 North America 2G & 3G Switch Off Market Breakdown by Application

9.2.4.1 North America 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Application

9.2.5 North America 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.2.5.1 North America 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.2.5.2 US 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.2.5.2.1 US 2G & 3G Switch Off Market Breakdown, by Type

9.2.5.2.2 US 2G & 3G Switch Off Market Breakdown, by Application

9.2.5.3 Canada 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.2.5.3.1 Canada 2G & 3G Switch Off Market Breakdown, by Type

9.2.5.3.2 Canada 2G & 3G Switch Off Market Breakdown, by Application

9.2.5.4 Mexico 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.2.5.4.1 Mexico 2G & 3G Switch Off Market Breakdown, by Type

9.2.5.4.2 Mexico 2G & 3G Switch Off Market Breakdown, by Application

9.3 Europe

9.3.1 Europe 2G & 3G Switch Off Market Overview

9.3.2 Europe 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.3.3 Europe 2G & 3G Switch Off Market Breakdown by Type

9.3.3.1 Europe 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Type

9.3.4 Europe 2G & 3G Switch Off Market Breakdown by Application

9.3.4.1 Europe 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Application

9.3.5 Europe 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.3.5.1 Europe 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.3.5.2 Germany 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.3.5.2.1 Germany 2G & 3G Switch Off Market Breakdown, by Type

- 9.3.5.2.2 Germany 2G & 3G Switch Off Market Breakdown, by Application
- 9.3.5.3 France 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.3.5.3.1 France 2G & 3G Switch Off Market Breakdown, by Type
 - 9.3.5.3.2 France 2G & 3G Switch Off Market Breakdown, by Application
- 9.3.5.4 Italy 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.3.5.4.1 Italy 2G & 3G Switch Off Market Breakdown, by Type
 - 9.3.5.4.2 Italy 2G & 3G Switch Off Market Breakdown, by Application
- 9.3.5.5 UK 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.3.5.5.1 UK 2G & 3G Switch Off Market Breakdown, by Type
 - 9.3.5.5.2 UK 2G & 3G Switch Off Market Breakdown, by Application
- 9.3.5.6 Russia 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.3.5.6.1 Russia 2G & 3G Switch Off Market Breakdown, by Type
 - 9.3.5.6.2 Russia 2G & 3G Switch Off Market Breakdown, by Application
- 9.3.5.7 Rest of Europe 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.3.5.7.1 Rest of Europe 2G & 3G Switch Off Market Breakdown, by Type
 - 9.3.5.7.2 Rest of Europe 2G & 3G Switch Off Market Breakdown, by Application
- 9.4 APAC
 - 9.4.1 APAC 2G & 3G Switch Off Market Overview
 - 9.4.2 APAC 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.4.3 APAC 2G & 3G Switch Off Market Breakdown by Type
 - 9.4.3.1 APAC 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Type
 - 9.4.4 APAC 2G & 3G Switch Off Market Breakdown by Application
 - 9.4.4.1 APAC 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Application
 - 9.4.5 APAC 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country
 - 9.4.5.1 APAC 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country
 - 9.4.5.2 Australia 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.4.5.2.1 Australia 2G & 3G Switch Off Market Breakdown, by Type
 - 9.4.5.2.2 Australia 2G & 3G Switch Off Market Breakdown, by Application
 - 9.4.5.3 China 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.4.5.3.1 China 2G & 3G Switch Off Market Breakdown, by Type
 - 9.4.5.3.2 China 2G & 3G Switch Off Market Breakdown, by Application
 - 9.4.5.4 India 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 9.4.5.4.1 India 2G & 3G Switch Off Market Breakdown, by Type

9.4.5.4.2 India 2G & 3G Switch Off Market Breakdown, by Application

9.4.5.5 Japan 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.4.5.5.1 Japan 2G & 3G Switch Off Market Breakdown, by Type

9.4.5.5.2 Japan 2G & 3G Switch Off Market Breakdown, by Application

9.4.5.6 South Korea 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.4.5.6.1 South Korea 2G & 3G Switch Off Market Breakdown, by Type

9.4.5.6.2 South Korea 2G & 3G Switch Off Market Breakdown, by Application

9.4.5.7 Rest of APAC 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.4.5.7.1 Rest of APAC 2G & 3G Switch Off Market Breakdown, by Type

9.4.5.7.2 Rest of APAC 2G & 3G Switch Off Market Breakdown, by Application

9.5 MEA

9.5.1 MEA 2G & 3G Switch Off Market Overview

9.5.2 MEA 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.5.3 MEA 2G & 3G Switch Off Market Breakdown by Type

9.5.3.1 MEA 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Type

9.5.4 MEA 2G & 3G Switch Off Market Breakdown by Application

9.5.4.1 MEA 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Application

9.5.5 MEA 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.5.5.1 MEA 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.5.5.2 South Africa 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.5.5.2.1 South Africa 2G & 3G Switch Off Market Breakdown, by Type

9.5.5.2.2 South Africa 2G & 3G Switch Off Market Breakdown, by Application

9.5.5.3 Saudi Arabia 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.5.5.3.1 Saudi Arabia 2G & 3G Switch Off Market Breakdown, by Type

9.5.5.3.2 Saudi Arabia 2G & 3G Switch Off Market Breakdown, by Application

9.5.5.4 UAE 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.5.5.4.1 UAE 2G & 3G Switch Off Market Breakdown, by Type

9.5.5.4.2 UAE 2G & 3G Switch Off Market Breakdown, by Application

9.5.5.5 Rest of MEA 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.5.5.5.1 Rest of MEA 2G & 3G Switch Off Market Breakdown, by Type

9.5.5.5.2 Rest of MEA 2G & 3G Switch Off Market Breakdown, by Application

9.6 SAM

9.6.1 SAM 2G & 3G Switch Off Market Overview

9.6.2 SAM 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.6.3 SAM 2G & 3G Switch Off Market Breakdown by Type

9.6.3.1 SAM 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Type

9.6.4 SAM 2G & 3G Switch Off Market Breakdown by Application

9.6.4.1 SAM 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Application

9.6.5 SAM 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.6.5.1 SAM 2G & 3G Switch Off Market Revenue and Forecasts and Analysis - By Country

9.6.5.2 Brazil 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.6.5.2.1 Brazil 2G & 3G Switch Off Market Breakdown, by Type

9.6.5.2.2 Brazil 2G & 3G Switch Off Market Breakdown, by Application

9.6.5.3 Argentina 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.6.5.3.1 Argentina 2G & 3G Switch Off Market Breakdown, by Type

9.6.5.3.2 Argentina 2G & 3G Switch Off Market Breakdown, by Application

9.6.5.4 Rest of SAM 2G & 3G Switch Off Market Revenue and Forecasts to 2030 (US\$ Mn)

9.6.5.4.1 Rest of SAM 2G & 3G Switch Off Market Breakdown, by Type

9.6.5.4.2 Rest of SAM 2G & 3G Switch Off Market Breakdown, by Application

10. 2G & 3G SWITCH OFF MARKET – IMPACT OF COVID-19 PANDEMIC

10.1 Pre & Post Covid-19 Impact

11. INDUSTRY LANDSCAPE

11.1 Overview

11.2 Market Initiative

12. COMPANY PROFILES

12.1 AT&T Inc

12.1.1 Key Facts

- 12.1.2 Business Description
- 12.1.3 Financial Overview
- 12.1.4 SWOT Analysis
- 12.1.5 Key Developments
- 12.2 BCE Inc
 - 12.2.1 Key Facts
 - 12.2.2 Business Description
 - 12.2.3 Financial Overview
 - 12.2.4 SWOT Analysis
 - 12.2.5 Key Developments
- 12.3 China Mobile Ltd
 - 12.3.1 Key Facts
 - 12.3.2 Business Description
 - 12.3.3 Financial Overview
 - 12.3.4 SWOT Analysis
 - 12.3.5 Key Developments
- 12.4 Deutsche Telekom AG
 - 12.4.1 Key Facts
 - 12.4.2 Business Description
 - 12.4.3 Financial Overview
 - 12.4.4 SWOT Analysis
 - 12.4.5 Key Developments
- 12.5 KDDI Corp
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Financial Overview
 - 12.5.4 SWOT Analysis
 - 12.5.5 Key Developments
- 12.6 NTT Data Corp
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Financial Overview
 - 12.6.4 SWOT Analysis
 - 12.6.5 Key Developments
- 12.7 Orange SA
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Financial Overview
 - 12.7.4 SWOT Analysis

12.7.5 Key Developments

12.8 Telefonica SA

12.8.1 Key Facts

12.8.2 Business Description

12.8.3 Financial Overview

12.8.4 SWOT Analysis

12.8.5 Key Developments

12.9 Telenor ASA

12.9.1 Key Facts

12.9.2 Business Description

12.9.3 Financial Overview

12.9.4 SWOT Analysis

12.9.5 Key Developments

12.10 Vodafone Group Plc

12.10.1 Key Facts

12.10.2 Business Description

12.10.3 Financial Overview

12.10.4 SWOT Analysis

12.10.5 Key Developments

13. APPENDIX

13.1 Word Index

I would like to order

Product name: 2G & 3G Switch Off Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (2G and 3G) and Application (Message, Voice, Data, and IoT)

Product link: <https://marketpublishers.com/r/2AEEE7383DF3EN.html>

Price: US\$ 5,190.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/2AEEE7383DF3EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970